

What is claimed is:

1. A radiation detecting cassette comprising:

a solid state radiation detector for detecting radiation  
bearing image data and outputting an image signal representing  
5 a radiation image;

a case for housing the solid state radiation detector;

a reception means for receiving order data for imaging  
from an external device;

a memory for recording the received order data; and

10 a transmission means for relating the recorded order data  
and the image signal output from the solid state radiation  
detector, and transmitting the image signal to the external  
device.

2. A radiation image data management system comprising:

15 the radiation detecting cassette defined in claim 1;

an order data management system for managing order data  
for imaging;

an order data reception terminal for receiving order data  
from the order data management system;

20 a sensor for detecting that the radiation detecting  
cassette has entered an area within a predetermined range of  
an imaging room where obtainment of a radiation image is  
performed;

a transmission means for receiving a detection signal  
25 from the sensor that the radiation detecting cassette has  
entered the area within the predetermined range of the imaging

room, and transmitting the order data received by the order data reception terminal to the radiation detecting cassette; and

a reception means for receiving the related order data and the image signal, transmitted by the transmission means of the radiation detecting cassette, when image obtainment is complete.